



US EPA RECORDS CENTER REGION 5



527513

0316500003 / Cook
Sherwin Williams Co.
Lust / Dick Dept

The Sherwin-Williams Company
101 Prospect Avenue, N.W.
Cleveland, Ohio 44115-1075

November 11, 1992

Illinois Environmental Protection Agency
Division of Land Pollution Control #24
Leaking Underground Storage Tank Section
State Sites Unit
2200 Churchill Road, P.O. Box 19276
Springfield, IL 62794-9276

RE: Incident #922759

RECEIVED

NOV 12 1992

EPA / DLPC

Dear Sir or Madam:

This letter is intended to serve as an update from the Sherwin-Williams Company to the Illinois Environmental Protection Agency (IEPA) regarding the activities being conducted in response to UST release at 11541 S. Champlain Avenue, Chicago, Illinois, Cook County.

A complete 45 Day Report Form will be submitted after review of the current work in progress that is intended to delineate the horizontal and vertical extent of contamination associated with the UST excavation. At this time, the release category type cannot be established based on known information. A complete 20 Day Report Form was submitted to the Agency on October 19, 1992.

As the tanks had contained hazardous materials other than petroleum products, the Sherwin-Williams Company will not be eligible for, nor seek reimbursement from, the State of Illinois Underground Storage Tank Fund. A list of the tank numbers and their contents is attached as Table I. The site will need to have site specific cleanup criteria established prior to completion of the cleanup.

Currently Sherwin-Williams has contracted Weston to perform an investigation to determine the horizontal and vertical extent of contamination associated with the UST release. The method of investigation will utilize a geoprobe to sample the native soils surrounding the excavation. Up to 12 locations will be sampled to a depth of 25 feet, or beyond the deepest contaminated zone. Soil samples from six of the locations will be collected for analysis for priority pollutants via method 8240. As access to the east of the excavation is limited, a sample will be collected from the side wall of the excavation utilizing a tube sampler. The analysis for pesticides, PCBs or TCLP metals is not necessary based on the contents of the

tanks. Each of the tanks contained raw solvent products used in coatings manufacturing. The mixed solvent tank contains a product that has passed through an on-site distillation process and is, therefore, free of metals. An analysis of the contaminated backfill material will be analyzed for the entire priority pollutant list compounds to verify that these compounds are not of concern.

If groundwater is encountered, a hollow stem auger rig will be brought in to install monitoring wells.

The remaining format of the letter is intended to summarize the available data as required by the 45 Day Report. A completed copy of the IEPA 45 Day Report Form are presented for the record.

Sections A-G are presented on the attached form.

- H.1. Initial samples of the pit backfill soil and water were analyzed and determined contaminated. There is currently an investigation proceeding in order to determine the vertical and horizontal extent of contamination, and presence of groundwater.
- H.2. The tanks and associated piping have been removed and disposed of.
- H.3. The release may be attributed to fill pipe connections on one or more tanks.
- H.4. An existing conduit for the plants main electrical utility line is east and adjacent the excavation. The conduit enters the property from 115th Street to the north. The bottom of the conduit is at approximately 5.25 feet below ground surface. A drain tile is approximately 0.5 feet east of the utility line, at approximately the same elevation, but it does not exit the property. From the current conditions exhibited, these conduits appear to be at an elevation that would preempt a release from the tank system from entering them.

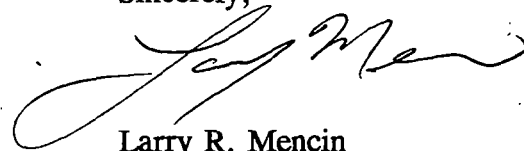
Storm water drains to the south and west lead into the plant and away from the northern site boundary. The line approximately 35 feet to the west is a 15 inch diameter sewer at a depth of approximately 10 feet below grade. This line leads offsite to the northwest.

- I. No free product encountered
- J.3. Current activities are being conducted to investigate the horizontal and vertical extent of contamination.
- K.2. See Attachment 1

- K.3. K.4. To be submitted after current investigation.
- L. Items to be submitted after current investigation.
- M. Items to be submitted after completion of remedial activities.
- N. Items to be provided if necessary after completion of remedial activities.
- O.1. Photographs will be provided after remediation is complete.
- O.2. The necessary documentation is found as Attachment 2.

As previously stated, a completed original report form will be submitted after completion and review of the current work in progress. Please do not hesitate to contact me at (216)566-1768 if you need any clarification or would like further information.

Sincerely,



Larry R. Mencin
Environmental Specialist

LRM/bh

cc: N. Maoloni
G. Martin
D. Gustafson
T. Seitz

**Illinois Environmental Protection Agency
LEAKING UNDERGROUND STORAGE TANK PROGRAM
45 DAY REPORT**

A. SITE IDENTIFICATION

Site # (IEPA Generator number): ILD005456439

(leave blank if unknown)

IESDA #: 922759

Facility Name: The Sherwin-Williams Co.

Mailing address: 11541 S. Champlain Ave.

City: Chicago

Zip Code: 60628

County: Cook

WILL THE OWNER/OPERATOR SEEK REIMBURSEMENT FOR CORRECTIVE ACTION COSTS FOR THIS SITE FROM THE UNDERGROUND STORAGE TANK FUND? (CHECK ONE): YES ☐ NO ☒

Has it been demonstrated that the release associated with this incident has been remediated to Agency clean-up objectives for soil and groundwater. (CHECK ONE) YES ☐ NO ☒

OWNER

Name: Thomas W. Seitz

Address: above

OPERATOR (if different from owner)

Name: _____

Address: _____

Contact Name: Larry R. Menon

Phone: 216-566-1768

(Site) Contact Name: George Martin

Phone: 312-821-3174

CONSULTANT

Firm: Roy E. Weston

Address: Three Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061-1450

Contact Name: Scott D. Springer

Phone: 708-918-4000

SURVEYOR

Firm: N/A

Address: _____

Contact Name: _____

Phone: _____

B. TYPE RELEASE (please check one) Minor ☐ Significant ☐ Major ☐ To be determined ☐

C. SIGNATURES

I hereby affirm that all information contained in this 45 Day Report is true and accurate to the best of my knowledge and belief.

OWNER

name: _____

title: _____

signature: _____

date: _____

OPERATOR (if different from owner)

name: _____

title: _____

signature: _____

date: _____

RECEIVED

NOV 12 1992

IEPA/DLPC

LAND SURVEYOR

name: _____

title: _____

signature: _____

date: _____

registration number: _____

PROFESSIONAL ENGINEER

The release from the Underground Storage Tank(s) System associated with Incident number 922759 at the facility described in this 45 Day Report has been remediated in accordance with 35 Ill. Adm. Code, Part 731, Subpart F, and other applicable rules and regulations. The remediation has achieved the clean-up objectives set forth by the Agency in _____. I certify under penalty of law that this 45 Day Report, supporting documents and all attachments were prepared under my direction or supervision. To the best of my knowledge and belief, the 45 Day Report, supporting documents, and all attachments are true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

name: _____

title: _____

signature: _____

SEAL

date: _____

registration number: _____

D. REPORTS SUBMITTED

Indicate the name and date of any reports previously submitted and any additional information or documents attached to or submitted with this report which are to be included in the review of this 45 Day Report.

20 Day report submitted October 16, 1992

E. PERSONNEL ON THE SITE

Provide the name, titles and dates of the regulatory or company personnel on-site during the initial abatement activities (e.g. OSEFM inspector, IEPA inspector, etc.).

NAME	TITLE	DATE
George A. Martin	Plant Engineer	
Eugene O'Leary (Inspector)	City of Chicago Plumbing Dept.	09-28-92
Lt. Anthony	Chicago Police Dept.	10-02-92

F. TANK INFORMATION

Total number of underground storage tanks at this site: Eight

For each underground storage tank (UST) system removed or release remediated provide:

Capacity (gal) 8,000 gallon

Year of Installation: 1978 Condition of UST system upon removal: Good

Product Stored in UST system: Tank #610 N-Butyl Alcohol

Amount released: Unknown

Cause of release: _____

Capacity (gal): 8,000 gallon

Year of Installation: 1978 Condition of UST system upon removal: Good -- connection of pipe to tank p

Product Stored in UST system: Tank #611 Reclaimed Solvent - constituents Attached

Amount released: unknown

Cause of release: Apparent product loss through piping

Capacity (gal): 8,000 gallons
Year of Installation: 1978 Condition of UST system upon removal: Good
Product Stored in UST system: Tank #612 - Methy Amyl Ketone
Amount released: Unknown
Cause of release: _____

Capacity (gal): 8,000
Year of Installation: 1978 Condition of UST system upon removal: Good
Product Stored in UST system: Tank #613 - Isopropyl Alcohol
Amount released: unknown
Cause of release: _____

Capacity (gal): 8,000
Year of Installation: 1978 Condition of UST system upon removal: Good
Product Stored in UST system: Tank #614 Isobutyl Alcohol
Amount released: Unknown
Cause of release: _____

Capacity (gal): 8,000
Year of Installation: 1978 Condition of UST system upon removal: Good
Product Stored in UST system: Tank #616 Methylmethacrylate
Amount released: Unknown
Cause of release: _____

Capacity (gal): 8,000
Year of Installation: 1978 Condition of UST system upon removal: Good
Product Stored in UST system: Tank #617 Ethanol
Amount released: Unknown
Cause of release: _____

Capacity (gal): 8,000
Year of Installation: 1978 Condition of UST system upon removal: Good
Product Stored in UST system: Tank #618 Isopropyl Acetate
Amount released: Unknown
Cause of release: _____

Capacity (gal): _____
Year of Installation: _____ Condition of UST system upon removal _____
Product Stored in UST system: _____
Amount released: _____
Cause of release: _____

Capacity (gal): _____
Year of Installation: _____ Condition of UST system upon removal: _____
Product Stored in UST system: _____
Amount released: _____
Cause of release: _____

(ADD ADDITIONAL PAGES AS NECESSARY)

G. SOURCE REMEDIATION INFORMATION

1. Is this 45 Day Report in response to a release from a UST System containing Used Oil or a Hazardous Substances as defined in 35 Ill. Adm. Code, Subtitle G, Section 731.112? (Check One):

YES X NO

Is the Owner/Operator requesting site specific objectives for a release from a petroleum material other than those for which generic objectives have been established by the Agency? (Check One):

YES X NO

If YES, for either, provide the following information:

- a. Site Name: The Sherwin-Williams Company Coatings Division
- b. Site Location: City: Chicago
County: Cook
Township: 37
Range: 14
Section: 22
- c. Media of concern (such as soil and/or groundwater): Soil/perched groundwater
- d. Analytical Summaries: Table of Results of Backfill Analysis attached as Table 2
- e. Geological/Hydrogeological Summary: (Should include a map showing the location of all private and public water supply well within one mile of the Site)
Will be presented after investigation
- f. Potentially exposed populations: To be presented after investigation
- g. Potentially exposed environments, surface water, fish and wildlife, vegetation, etc.:
Will be presented after investigation
- h. Potential dispersion pathways, prevailing winds, direction of groundwater flow (if known):
To be presented after investigation
- i. Proposed cleanup techniques; removal and treatment or disposal, in place treatment, etc.:
To be presented after investigation
- j. Justification for Site Specific Objectives: No generic criteria available

2. Describe the procedures used for cleaning the tank:

Tanks pumped dry with contents going to ASTs or Drums
and used as raw materials in products.

3. For any of the following that were removed or generated during the UST system removal, describe the procedures for management and storage, treatment or disposal of this material.

Product: Solvent used in product

Tank bottoms: Transferred to drums then to injected into solvent reclaim system
used for wash solvent

Tank sludges: * incineration w/waste paint waste streams
4 sludge drums

Product in tanks: as above

Tank rinse waters: N/A

Tank waste-water mixtures: N/A

Tank system: Disposed as scrap - clean dry & exposed
October 5, 1992

Other (please describe):

Date that all tank cleaning operations were completed: October 5, 1992

4. Provide copies of manifests used to transport the above material from the site.

H. RELEASE INFORMATION:

Provide the information below:

1. The steps taken to test for the extent of the release considering the type of the stored substance, type of backfill, depth to groundwater and other factors appropriate for identifying the presence and source of the release.
2. The actions taken to prevent further release of the regulated substance.
3. If the release was associated with the lines or dispenser, briefly describe the problem.
4. Provide a discussion of the potential of utility conduits to provide a pathway for the movement of contamination off-site.

I. FREE PRODUCT ACTION

Was free product encountered during the investigation (check one) : YES ___ NO X

If YES, the following questions must be answered:

1. The name of the person responsible for implementing the free product removal measures.

2. ~~The estimated quantity, type and thickness of free product observed or measured in wells, boreholes and the excavations.~~
3. The dates that free product was discovered, and the steps taken to remove product.
4. The type of free product recovery system used, including plan sheets, diagrams, description of equipment and a site map indicating the recovery system location.
5. ~~An indication of whether any discharge will take place on-site or off-site during the recovery operation and where this discharge will be located.~~
6. The type of treatment applied to any discharge and the effluent quality expected.
7. The steps that have been or are being taken to obtain necessary permits for any discharge.
8. The disposition of the recovered free product.
9. Pursuant to 35 Ill. Adm. Code, Section 731.165(b) the Owner/Operator must, within 30 days of this 45 Day Report, submit a completed Corrective Action Form that includes a Groundwater Investigation Plan.

J. SOIL EXCAVATION

Provide information on the following:

1. Dimensions of excavation(s): approx.: 50 ft. by 50 ft.
Original tank backfill material: Brown sand, fine to medium grain, poorly graded
Native soil type: Brown clayey silt (till)
Quantity of contaminated soil removed: N/A
Quantity of contaminated soil is to be determined during investigation.
2. Was groundwater encountered? (check one): YES NO To be determined
If YES, pursuant to 35 Ill. Adm. Code, Section 731.165(b) the Owner/Operator must, within 30 days of this 45 Day Report, submit a completed Corrective Action Form that includes a Groundwater Investigation Plan.
3. Describe the steps which have been taken to control and remedy hazards posed by contaminated soils that are excavated or exposed as a result of release confirmation, site investigation, abatement of corrective action activities.
4. Has the owner/operator complied with the requirements of 35 Ill Adm. Code, Parts 702, 703, 705, 722 through 728, 807 through 815 and other applicable rules and regulations for the storage, treatment and/or disposal of soils managed at the site? YES X NO

K. SITE MAPS

1. Provide topographic map which shows the location of the site and provide the following for the site:
 township: 37 range: 14 section: 22
 latitude: 87° 36' 27" longitude: 41° 41' 07"

2. Provide a site map with locations of the:

- UST System(s)
- product and dispenser lines
- pumps and islands
- sewer, gas, water and electrical utility lines
- nearby buildings, roads, etc.

3. Provide a site map and cross-section indicating areas of:

- UST System(s), vertically and horizontally
- soil excavation
- soil borings
- soil and groundwater sampling locations
- monitoring well locations

4. Provide a map and cross-section showing the extent of soil and groundwater contamination.**L. SOIL BORINGS TO DETERMINE THE EXTENT OF CONTAMINATION**

If a soil boring sampling program has been undertaken to determine the extent of contamination, provide the following:

1. Drilling method(s) that were used, and why these methods were chosen.
2. The basis for determining the location and minimum number of borings to be placed on site.
3. A discussion of the approach that will be taken to determine the location and number of additional borings required.
4. Activities taken to prevent cross-contamination between boreholes.
5. A discussion of how the sampling interval for each boring was determined and collected.
6. A discussion of how off-site soil contamination impacts will be investigated.
7. Copies of borings logs.

M. SOIL SAMPLING FOR VERIFICATION OF COMPLETION OF REMEDIAL ACTIVITIES

The following must be provided:

1. A completed Laboratory Certification Form (attached) must be provided with all soil sample data.
2. A sampling protocol for soil sample collection.
3. Basis for determining the location and minimum number of soil samples taken.
4. Discussion of the approach that will be taken to determine the location and number of additional samples required.
5. Activities taken to prevent cross-contamination between samples.
6. The analytical results from soil sampling in tabular format showing detection limits and with raw data also included as an attachment.

N. GROUNDWATER SAMPLING FOR VERIFICATION OF COMPLETION OF REMEDIAL ACTIVITIES

If groundwater samples were taken, the following must be provided:

1. A completed Laboratory Certification Form (attached) must be provided with all groundwater sample data.
2. A sampling protocol for groundwater collection.
3. Basis for determining the well location and minimum number of groundwater samples taken.
4. Discussion of the approach that will be taken to determine the location and number of additional samples required.
5. Activities taken to prevent cross-contamination between samples.
6. The analytical results from groundwater sampling in tabular format showing detection limits and with raw data also included as an attachment.

O. REMEDIATION DOCUMENTATION

1. Original photographs taken during the cleanup to document the site conditions and remedial activities. Photographs must show all important cleanup activities that took place on the site. Photographs must be in duplicate, mounted, and labeled.
2. A copy of the permit for tank removal issued by the Office of the State Fire Marshal or, if in the City of Chicago provide documentation of approval for removing the tank.

TABLES

THE SHERWIN-WILLIAMS COMPANY
CHICAGO PLANT
UST CONTENTS

<u>TANK NO.</u>	<u>CONTENTS</u>
610	N-Butyl Alcohol
611	Reclaimed Solvent*
612	Methyl Amyl Ketone
613	Isopropyl Alcohol
614	Isobutyl Alcohol
616	Methylmethacrylate
617	Ethanol
618	Isopropyl Acetate

* An environmental data sheet is attached for the contents of the mixed solvent reclamation tank.

ENVIRONMENTAL DATA SHEET

00 02

THE SHERWIN-WILLIAMS COMPANY
 101 Prospect Avenue N.W.
 Cleveland, OH 44115
 09-NOV-92

All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

PRODUCT
 03-26-51

* - Trade Mark

RECOVERED WASH SOLVENT 032651

PRODUCT WEIGHT
 6.95 lb/gal

SPECIFIC GRAVITY
 0.84

FLASH POINT
 66 F TCC

HAZARD CATEGORY (for SARA 311/312)
 Acute Fire

	SARA 302 EHS	CERC.	SARA 313 TC	Percent by Weight	Percent by Volume
=====					
VOLATILE INGREDIENTS					
V. M. & P. Naphtha. 64742-48-9	N	N	N	4	5
Mineral Spirits. 64742-47-8	N	N	N	11	12
Toluene. 108-88-3	N	Y	Y	13	13
Ethylbenzene 100-41-4	N	Y	Y	3	3
Xylene. 1330-20-7	N	Y	Y	16	15
Light Aromatic Hydrocarbons. 64742-95-6	N	N	N	2	1
1,3,5-Trimethylbenzene 108-67-8	N	N	N	2	2
1,2,4-Trimethylbenzene 95-63-6	N	N	Y	3	3
2-Butoxyethanol 111-76-2	N	N	***	4	4
Methyl Ethyl Ketone. 78-93-3	N	Y	Y	20	21
Methyl Isobutyl Ketone. 108-10-1	N	Y	Y	8	9
Cyclohexanone 108-94-1	N	Y	N	5	5
n-Butyl Acetate. 123-86-4	N	Y	N	8	7
Water 7732-18-5	N	N	N	1	1

Continued on page 2

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REGULATED COMPOUNDS

*** Glycol Ethers	N	N	Y	4
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AIR QUALITY DATA

Percent Volatile	100.0 by wt	100.0 by vol
Percent Water	1.2 by wt	1.0 by vol
Percent Organic Volatiles	98.8 by wt	99.0 by vol
Volatile Organic Compounds (VOC) - Total	6.87 lb/gal	823 g/l
VOC per gal. (l.) of Coating less Water	6.94 lb/gal	831 g/l
VOC per gal. (l.) of Solids	Not Applicable	
Density of Organic Solvent Blend	0.00 lb/gal	
Photochemically Reactive	YES	

WASTE DISPOSAL

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

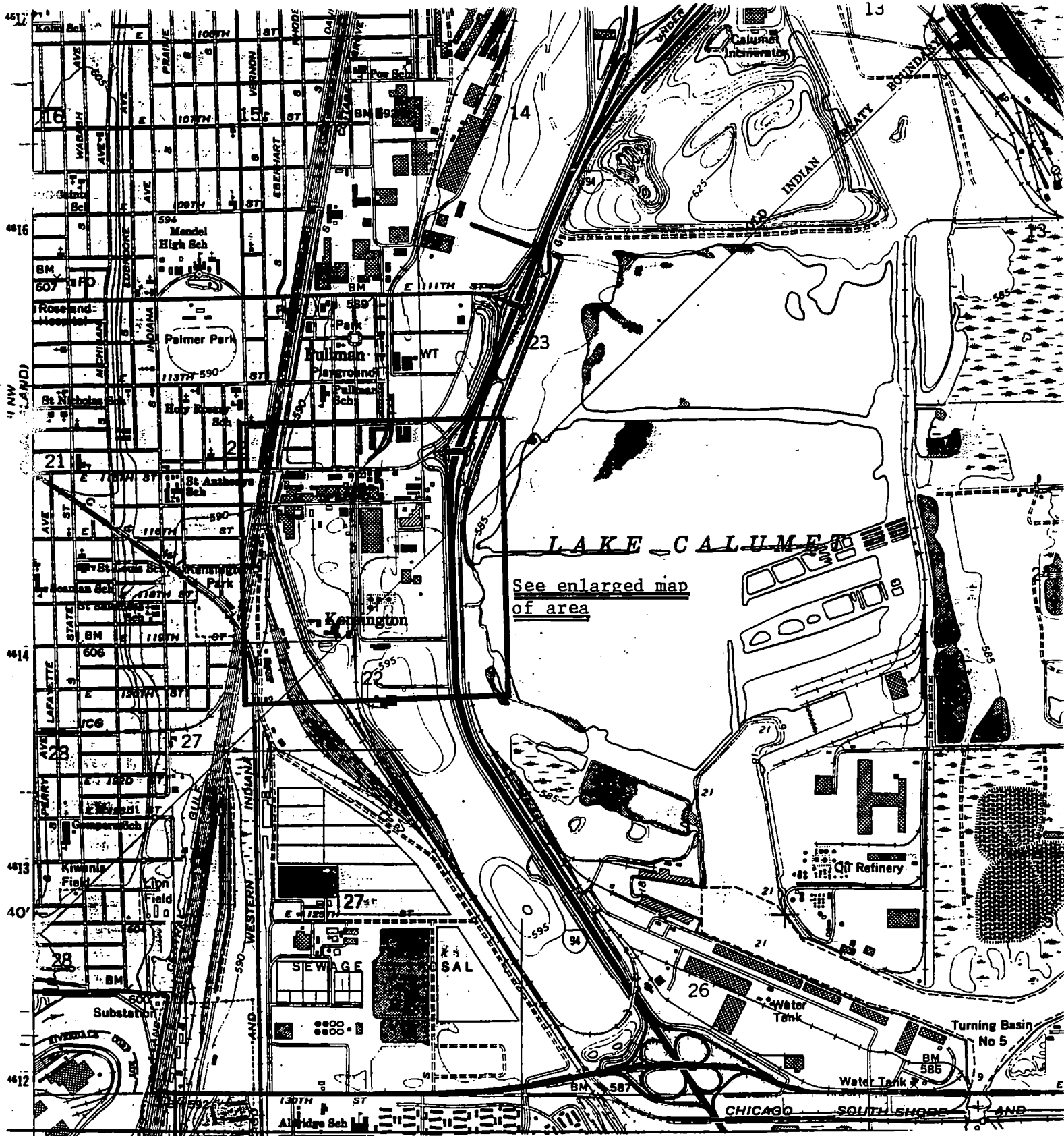
**SAMPLE RESULTS
OPEN EXCAVATION MATERIALS
THE SHERWIN-WILLIAMS COMPANY
CHICAGO COATINGS DIVISION
RESULTS IN PART PER MILLION (PPM)**

SAMPLE	STOCKPILE/ SOIL	STOCKPILE DUP/ SOIL	STANDING WATER	STANDING WATER/DUP
Toluene	310	740	110	89
Xylene	240	470	5.1	13
Methyl Ethyl Ketone	< 10*	< 10*	50	55
Methyl Isobutyl Ketone	24	33	1100	1100
Cyclohexanone	< 10*	< 10*	< 1.0*	< 1.0*
Butyl Acetate	< 10*	< 10*	6.2	6.1
TPH as Mineral Spirits	< 1000*	< 1000*	< 500*	< 500*
TPH as VMP Naptha	< 1000*	< 1000*	< 500*	< 550*

* Elevated detection limit due to sample concentration .
Samples collected September 28, 1992, results reported September 29, 1992.

ATTACHMENTS

FIGURES

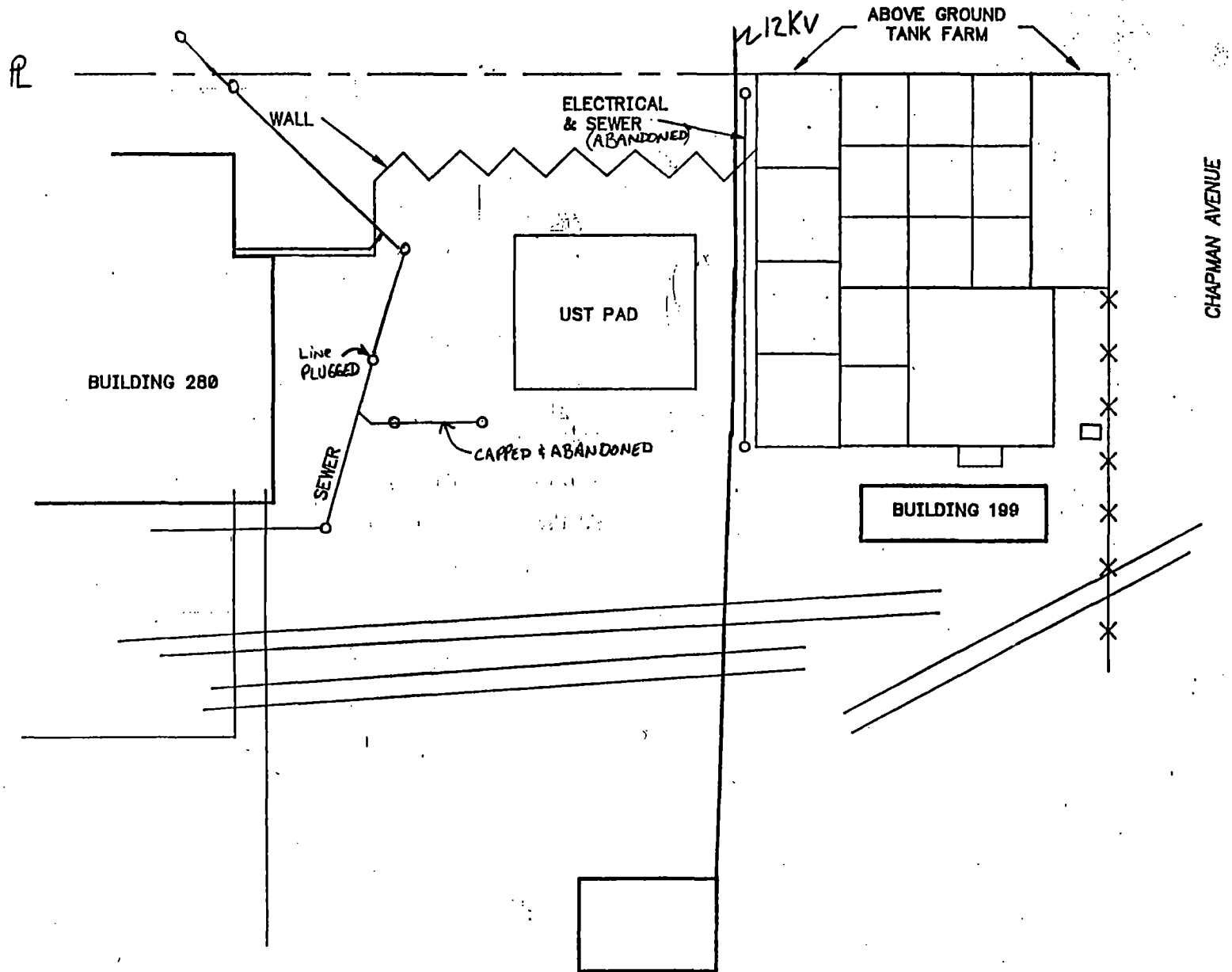


LOCATION MAP
THE SHERWIN-WILLIAMS CO.
CHICAGO, ILLINOIS



Scale 1: 24,000
USGS Map
Lake Calumet
IL-IN

EAST 115TH STREET



72492

WESTON
MANAGERS
DESIGNERS/CONSULTANTS

Three Hawthorne
Vernon

PERMITS

CITY OF CHICAGO- DEPARTMENT OF BUILDINGS

PERMIT NO. B.

759333

PERMIT NO. 759333	WORK CODE 25020	PLAN NO. 11541	PRIMARY ADDRESS S CHAMPLAIN	FRI 0	SECONDARY ADDRESS -	CACHT 5401
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DESCRIPTION OF WORK

REMOVAL OF 8-8M GAL TANKS OF FLAMMABLE SOLVENT

DATE ISSUED

9/10/92

OWNER SHERWIN WILLIAMS CO	11541 S CHAMPLAIN	CHGO	IL	CON- TRACTOR LICENSE 23219031
REFRIG GENERAL CHEM-SOL CO INC	ONE SAVILLE AVE	EDDYSTONE	PA	
ARCHITECT				
HEAT/VENT				
MASON				

PERMANENT REAL ESTATE INDEX NO. 25-22-400-023

WH	PL. FX	CONST.	STORIES	BSMTS.	W	L	N	BLDG. VOL.	EST. COST	D.U.	OCC. CLASSIFICATION J
LOT SIZE		PKG. SP	LOAD	APPLIC. PHONE 876-8800		INDUSTRIAL MANUF					
CD	FEE	CD	FEE	CD	FEE	CD	FEE	CD	FEE	CD	FEE
										26	28000
										TOTAL FEES 280.00	

LEGAL DESCRIPTION

PERMISSION is hereby granted the above named person or firm to construct buildings and do other work as indicated in the schedule hereon, at the location shown. All work is to be done in accordance with approved plans and the ordinances of the City of Chicago, and this permit may be revoked at any time for violation of the ordinances in connection with work herein authorized.

APPROVED PLANS AND PERMIT SHALL BE KEPT ON FILE AT THE CONSTRUCTION SITE WHILE THE WORK IS IN PROGRESS. (SEC 43-10) IF WORK DOES NOT START WITHIN SIX MONTHS OF THE DATE OF THIS PERMIT, THE PERMIT SHALL BECOME VOID. (SEC. 43-6)

19-ZONING	EXPLANATION OF FEE CODES			29-WATER
20-IRON	23-PLUMBING	26-TANKS		30-REFRIGERATION
21-ELECTRICAL	24-ELEVATOR	27-FURNACE		62-WRECKED BLDGS.
22-NEW CONST.	25-HEAT/VENT	28-SMOKE ABATEMENT		62-GARAGES

Any person violating, or resisting, or opposing the enforcement of any of the provisions of the Code pertaining to permits shall be fined not less than \$25.00 nor more than \$200.00 for each offense. Each day such violation shall continue shall constitute a separate and distinct offense, and any building or contractor who shall construct any building in violation of the provisions of the City Code, and any architect who shall design, draw plans for, or have supervision of such building, or who shall permit it to be constructed, shall be liable for the penalties provided by this section.

Received amount indicated hereon

Dept. of Revenue

APPLICANT

CITY OF CHICAGO

Department of Buildings

KEEP WORK SITE CLEAN AND SAFE!

BUILDING PERMIT

APPROVED
Subject to full compliance with
the Municipal Code of Chicago

NO. 759333

SEP 10 1992

DATE: _____

☐ NEW CONSTRUCTION
☐ REMODELING/REPAIR



THIS PERMIT EXPIRES IF WORK NOT STARTED BY _____ 1993
IN AN EMERGENCY CALL: _____

NAME: DENNIS

TELEPHONE: 800-243-6765

Richard M. Daley
MAYOR

Daniel W. Weil
BUILDING COMMISSIONER

THIS CARD MUST BE DISPLAYED AT ALL TIMES.

DISPOSAL INFORMATION

Jet-It™ brand fax transmittal memo 7671		# of pages > 4
To: Larry Mencin	From: George Martin	
Co: S-W	Co: S-W	
Ext: Environmental	Phone #: 1-312-821-3174	
Ref: 1-216-566-2730	Fax #: 1-312-264-4632	

COMPANY CORRESPONDENCE

DATE

TO (INDIVIDUALS NAME)
Larry Mencin
REFER TO LETTER OF

SENDER'S LOCATION, DEPARTMENT, AND TELEPHONE NUMBER
#6 Chicago - Paint 3174
SUBJECT

THE FOUR DRUMS OF SOLID MATERIAL FROM THE UST'S WENT TO INCINERATION ON THIS
MANIFEST AS "WASTE PAINT" WHICH INCLUDES PAINT RAW MATERIALS. (RBM)

LEASE TYPE

(Form designed for use on site (12-pitch) typewriter.)

State Form LPC 62 8/81

IL532-0610

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0030; Expires 6-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005456439		Manifest Document No. 01825		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address: SHERWIN WILLIAMS CO. ATTN: R. MARTIN 11541 S. CHAMPLAIN AVE., CHICAGO, ILLINOIS 60628		Location If Different							
4. "24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS" 312-821-3551									
5. Transporter 1 Company Name ROSS TRANSPORTATION		6. US EPA ID Number OHD980614374							
7. Transporter 2 Company Name		8. US EPA ID Number							
9. Designated Facility Name and Site Address ROSS INCINERATION 394 GILBS ROAD GRAFTON, OH 44044		10. US EPA ID Number OHD048415665							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit (Vol)	
a. RQ, WASTE FLAMMABLE LIQUID, N.O.S. (XYLENE, METHYL ETHYL KETONE) FLAMMABLE LIQUID UN1993 (D001, D007, D008, D035, F003, F005)				042 DM		023106			
b. RQ, WASTE FLAMMABLE LIQUID, N.O.S. (XYLENE, METHYL ETHYL KETONE) FLAMMABLE LIQUID UN1993 (D001, D007, D008, D035, F003, F005) 2005				025 DM		013756			
c.									
d.									
15. Special Handling Instructions and Additional Information EMERGENCY RESPONSE #312-821-3551 SEE ATTACHED LAND DISPOSAL RESTRICTION NOTICE SEE ATTACHED EMERGENCY RESPONSE GUIDE #26				K. Handling Codes for Wastes Listed Above in Item #14 Deas					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name SHERWIN WILLIAMS CO. W. HARDING				Signature <i>Waymon Harding</i>		Date 10/28/92			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name C. WEAVER				Signature <i>C. Weaver</i>		Date 10/28/92			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Date			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item #9. Printed/Typed Name Wayne Conner				Signature <i>Wayne Conner</i>		Date 10/30/92			

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1969, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



SCRAP CORP. OF AMERICA

CALUMET HARBOR YARDS (312) 646-5533
130th ST. at STONY ISLAND AVE. • CHICAGO, IL 60633



DELIVERED



SCA PICK-UP

13-43100

RECEIVING PLANT

4900

SHIPPER

HISC. UNLISTED PEDDLER

REP. NO.

CHEM-SOL

SCA P.O.

GROSS

40040

TARE

33560

DEDUCT.

200

TYPE: DIRT

NET

6280

DATE RECEIVED

10/05/92

SHIPPED VIA

TRUCK/TRACTOR

TRAILER/BOX

CHEM-SOL

DRIVER



ON



OFF

MATERIAL

NET WEIGHT

PRICE/PER

AMOUNT

HVY TORCH

6280

\$ 33.00/G

\$ 92.52

DEDUCTION

200

TYPE: DIRT

CHARGES



DPC INPUT



MAIL W/C



CHECK

DATE PAID:

6280

TOTALS

\$ 92.52

WE CANNOT BE RESPONSIBLE FOR DAMAGES TO
CUSTOMERS' VEHICLES OR TIRES WHILE IN OUR YARD.
PLEASE, PROTECT YOUR TRUCKS AND TRAILERS.

PRICE CODES: N - NET TON G - GROSS TON C - CWT
E - EACH (LBS) L - LOAD

**SCRAP CORP. OF AMERICA**CALUMET HARBOR YARDS (312) 646-5533
130th St at STONY ISLAND AVE. • CHICAGO, IL 60633☐ DELIVERED☐ SCA PICK-UP**13-43101****4900****MISC. UNLISTED PEDDLER****CHEH-SOL****RECEIVING PLANT**

SHIPPER

REF. NO.

SCA P.O.

GROSS 40460**TARE 33260****DEDUCT: 300 TYPE: DIRT****NET 6900**DATE RECEIVED **10/05/92**

SHIPPED VIA

TRUCK/TRACTOR

TRAILER/BOX

CHEH-SOL

DRIVER

☐

ON

☐

OFF

MATERIAL**NET WEIGHT****PRICE/PER****AMOUNT****HVY TORCH****6900****\$ 33.00/G****\$ 101.65**

DEDUCTION

300 TYPE: DIRT

CHARGES



DPC INPUT



MAIL W/C



CHECK

DATE PAID:

6900**TOTALS****\$ 101.65**WE CANNOT BE RESPONSIBLE FOR DAMAGES TO
CUSTOMERS' VEHICLES OR TIRES WHILE IN OUR YARD.
PLEASE PROTECT YOUR TRUCKS AND TRAILERS.PRICE CODES: N = NET TON G = GROSS TON C = CWT
E = EACH (LBS) L = LOAD



SCRAP CORP. OF AMERICA

CALUMET HARBOR YARDS (312) 646-5533
130th St at STONY ISLAND AVE. • CHICAGO, IL 60633

☐ DELIVERED

☐ SCA PICK-UP

13-43102

RECEIVING PLANT

4900

SHIPPER

HISC. UNLISTED PEDDLER

REF. NO. **CHEM-SOL**

SCA P.O.

GROSS **40320**

TARE **33360**

DEDUCT **300**

NET **6660**

TYPE: DIRT

DATE RECEIVED

10/05/92

SHIPPED VIA

TRUCK/TRACTOR

TRAILER/BOX

CHEM-SOL

DRIVER

☐ ON

☐ OFF

MATERIAL

NET WEIGHT

PRICE/PER

AMOUNT

HVY TORCH

6660

\$ 33.00/G

\$ 98.12

DEDUCTION

300

TYPE: DIRT

CHARGES



DPC INPUT



MAIL W/C



CHECK

DATE PAID

6660

TOTALS

\$ 98.12

WE CANNOT BE RESPONSIBLE FOR DAMAGES TO CUSTOMERS VEHICLES OR TIRES WHILE IN OUR YARD. PLEASE PROTECT YOUR TRUCKS AND TRAILERS.

PRICE CODES: N - NET TON G - GROSS TON C - CWT
E - EACH (LBS) L - LOAD



SCRAP CORP. OF AMERICA

CALUMET HARBOR YARDS (312) 646-5533
130th ST. at STONY ISLAND AVE. • CHICAGO, IL 60633

☐ DELIVERED ☐ SCA PICK-UP

13-43103

RECEIVING PLANT

4900 MISC. UNLISTED PEDDLER

CHEM-SOL

SHIPPER

REF. NO.

SCA P.O.

GROSS 40140

TARE 33520

DEDUCT: 500

NET 6120

TYPE: DIRT

DATE RECEIVED 10/05/92

SHIPPED VIA

TRAILER/TRACTOR

TIRER/BOX

DRIVER

☐ ON

☐ OFF

CHEM-SOL

MATERIAL

NET WEIGHT

PRICE/PER

AMOUNT

HVY TORCH

6120

\$ 33.00/G

\$ 90.16

DEDUCTION

500 TYPE: DIRT

CHARGES



DPC INPUT



MAIL W/C



CHECK

DATE PAID

6120

TOTALS

\$ 90.16

WE CANNOT BE RESPONSIBLE FOR DAMAGES TO CUSTOMERS VEHICLES OR TIRES WHILE IN OUR YARD. PLEASE PROTECT YOUR TRUCKS AND TRAILERS.

PRICE CODES: N - NET TON G - GROSS TON C - CWT
E - EACH (LBS) L - LOAD



SCRAP CORP. OF AMERICA

CALUMET HARBOR YARDS (312) 646-5533
130th ST. at STONY ISLAND AVE. • CHICAGO, IL 60633

☐ DELIVERED

☐ SCA PICK-UP

13-43104

RECEIVING PLANT

4900

SHIPPER **MISC. UNLISTED PEDDLER**

REF. NO. **CHEM-SOL**

SCA P.O.

GROSS

40480

DATE RECEIVED

10/05/92

TARE

33340

SHIPPED VIA

TRUCK/TRACTOR

TRAILER/BOX

CHEM-SOL

DEDUCT

300

TYPE: DIRT

DRIVER

☐ ON

☐ OFF

NET

6840

MATERIAL	NET WEIGHT	PRICE /PER	AMOUNT
HVY TORCH	6840	\$ 33.00/G	\$ 100.77

DEDUCTION

300

TYPE: DIRT

CHARGES



DPC INPUT



MAIL W/C



CHECK

DATE PAID

6840

TOTALS

\$ 100.77

WE CANNOT BE RESPONSIBLE FOR DAMAGES TO CUSTOMERS VEHICLES OR TIRES WHILE IN OUR YARD. PLEASE PROTECT YOUR TRUCKS AND TRAILERS.

PRICE CODES: N = NET TON G = GROSS TON C = CWT
E = EACH (LBS) L = LOAD



SCRAP CORP. OF AMERICA

CALUMET HARBOR YARDS (312) 646-5533
130th ST. at STONY ISLAND AVE. • CHICAGO, IL 60633



DELIVERED



SCA PICK-UP

13-43105

RECEIVING PLANT

4900

SHIPPER

MISC. UNLISTED PEDDLER

REF. NO.

CHEM -80L

SCA P.O.

GROSS 40160

TARE 33340

DEDUCT 200 TYPE: DIRT

NET 6620

DATE RECEIVED 10/05/92

SHIPPED VIA

TRUCK/TRACTOR

TRAILER/BOX

DRIVER

☐ ON

CHEM-80L

☐ OFF

MATERIAL

NET WEIGHT

PRICE/PER

AMOUNT

HVY TORCH

6620

\$ 33.00/G

\$ 97.53

DEDUCTION 200 TYPE: DIRT

CHARGES



DPC INPUT



MAIL W/C



CHECK

DATE PAID

6620

TOTALS

\$ 97.53

WE CANNOT BE RESPONSIBLE FOR DAMAGES TO CUSTOMERS VEHICLES OR TIRES WHILE IN OUR YARD. PLEASE PROTECT YOUR TRUCKS AND TRAILERS.

PRICE CODES: N = NET TON G = GROSS TON C = CWT
E = EACH (LBS) L = LOAD

Post-it® brand fax transmittal memo 7671 # of pages = 1/4

To: *Steve Henric* From: *Steve Henric*

Co: *4-M* Co: *08-12*

Dept: *Environmental* Phone: *1-312-821-3174*

Fax: *1-216-566-8730* Fax: *1-312-264-4632*



SCRAP CORP. OF AMERICA

CALUMET HARBOR YARDS (312) 646-5533
130th St. at STONY ISLAND AVE. • CHICAGO, IL 60633

☐

DELIVERED

☐

SCA PICK-UP

13-43106

RECEIVING PLANT

4900

SHIPPER

WISC. UNLISTED PEDDLER

REF. NO.

CHBN-SOL

SCA P.O.

GROSS

40280

TARE

33320

DEDUCT:

400

TYPE: DIRT

NET

6560

DATE RECEIVED

SHIPPED VIA

TRUCK/TRACTOR

TRAILER/BOX

DRIVER

☐

ON

10/05/92

CHBN-SOL

OFF

MATERIAL

NET WEIGHT

PRICE / PER

AMOUNT

HVY TORCH

6560

\$ 33.00/G

\$ 96.64

DEDUCTION

400 TYPE: DIRT

CHARGES

☐

DPC INPUT

☐

MAIL W/C

☐

CHECK

DATE PAID:

6560

TOTALS

\$ 96.64

WE CANNOT BE RESPONSIBLE FOR DAMAGES TO
CUSTOMERS' VEHICLES OR TIRES WHILE IN OUR YARD.
PLEASE PROTECT YOUR TRUCKS AND TRAILERS.

PRICE CODES: N = NET TON G = GROSS TON C = CWT
E = EACH (LBS) L = LOAD



SCRAP CORP. OF AMERICA

CALUMET HARBOR YARDS (312) 646-5533
130th ST. at STONY ISLAND AVE. • CHICAGO, IL 60633

☐ DELIVERED

☐ SCA PICK-UP

13-43122

RECEIVING PLANT

4900

SHIPPER

MISC. UNLISTED PEDDLER

REF. NO. CHEN SOL

SCA P.O.

GROSS

48260

TARE

33420

DEDUCT: 300

TYPE: DIRT

NET

6540

DATE RECEIVED

10/05/92

SHIPPED VIA

TRUCK/TRACTOR

TRAILER/BOX

CHEN-SOL

DRIVER ☐ ON

☐ OFF

MATERIAL

NET WEIGHT

PRICE / PER

AMOUNT

HVY TORCH

6540

\$ 33.00/G

\$ 96.35

DEDUCTION

300 TYPE: DIRT

CHARGES



DPC INPUT



MAIL W/C



CHECK

DATE PAID:

6540

TOTALS

\$ 96.35

WE CANNOT BE RESPONSIBLE FOR DAMAGES TO
CUSTOMERS' VEHICLES OR TIRES WHILE IN OUR YARD.
PLEASE PROTECT YOUR TRUCKS AND TRAILERS.

PRICE CODES: N = NET TON G = GROSS TON C = CWT
E = EACH (LBS) L = LOAD

ANALYTICAL DATA



09/29/92

LABORATORY

C796 8477791 W04

CHEM-SOL
ONE SAVILLE AVE.
EDDYSTONE, PA 19022
ATTN: RAY CHAIN

SAMPLE 92272-C12728 STOCKPILE/SOIL
DATE COLLECTED 09/28/92 DATE RECEIVED 09/28/92
PRESERVED: NO TEMPERATURE: 24.6 DEG. C
CONT. INTEGRITY: IMPROPER CONTAINER SAMPLE INTEG: MEETS STANDARD

TEST NAME	RESULT	UNITS	ANALYZED	METHOD	LIMIT
TOLUENE	310	PPM	09/28/92	IN-HOUSE METHOD	
XYLENES	240	PPM	09/28/92	IN-HOUSE METHOD	
1-ETHYL ETHYL KETONE	<10	# PPM	09/28/92	IN-HOUSE METHOD	
1-ETHYL ISOBUTYL KETONE	24	PPM	09/28/92	IN-HOUSE METHOD	
CYCLOHEXANONE	<10	# PPM	09/28/92	IN-HOUSE METHOD	
BUTYL ACETATE	<10	# PPM	09/28/92	IN-HOUSE METHOD	
PH AS MINERAL SPIRITS	<1000	# PPM	09/28/92	IN-HOUSE METHOD	
PH AS VMP NAPHTHA	<1000	# PPM	09/29/92	IN-HOUSE METHOD	

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT; SOIL SAMPLES WILL BE DISPOSED OF 6 WEEKS AFTER RECEIPT; WASTE SAMPLES (NON-WATER, NON-SOIL) WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE, N/D = NOT DETECTED.

• ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.
• ELEVATED DETECTION LIMIT DUE TO SAMPLE QUANTITY. + = ELEVATED DETECTION LIMIT DUE TO EXTRACT VOLUME.

AIHA ACCREDITED

APPROVAL _____



**ENVIRONMENTAL
LABORATORIES INC.**

09/29/92

LABORATORY REPORT

PAGE 1

C796 8477791 W04

CHEM-SOL
ONE SAVILLE AVE.
EDDYSTONE, PA 19022
ATTN: RAY CHAIN

SAMPLE 92272-C12729 STOCKPILE DUP/SOIL
DATE COLLECTED 09/28/92 DATE RECEIVED 09/28/92
PRESERVED: NO TEMPERATURE: 24.7 DEG. C
CONT. INTEGRITY: IMPROPER CONTAINER SAMPLE INTEG: MEETS STANDARD

TEST NAME	RESULT	UNITS	ANALYZED	METHOD	LIMIT
TOLUENE	740	PPM	09/28/92	IN-HOUSE METHOD	
XYLENES	470	PPM	09/28/92	IN-HOUSE METHOD	
METHYL ETHYL KETONE	<10	# PPM	09/28/92	IN-HOUSE METHOD	
METHYL ISOBUTYL KETONE	33	PPM	09/28/92	IN-HOUSE METHOD	
CYCLOHEXANONE	<10	# PPM	09/28/92	IN-HOUSE METHOD	
BUTYL ACETATE	<10	# PPM	09/28/92	IN-HOUSE METHOD	
TPH AS MINERAL SPIRITS	<1000	# PPM	09/28/92	IN-HOUSE METHOD	
TPH AS VMP NAPHTHA	<1000	# PPM	09/29/92	IN-HOUSE METHOD	

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT; SOIL
SAMPLES WILL BE DISPOSED OF 6 WEEKS AFTER RECEIPT; WASTE SAMPLES (NON-WATER, NON-SOIL) WILL BE RETURNED 6 WEEKS
AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE, N/D = NOT DETECTED.

= ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.
= ELEVATED DETECTION LIMIT DUE TO SAMPLE QUANTITY. + = ELEVATED DETECTION LIMIT DUE TO EXTRACT VOLUME.

AIHA ACCREDITED

APPROVAL _____

09/29/92

LABORATORY REPORT

PAGE

C796 847779

CHEM-SOL
ONE SAVILLE AVE.
EDDYSTONE , PA 19022
ATTN: RAY CHAIN

SAMPLE 92272-C12730 STANDING WATER
DATE COLLECTED 09/28/92 DATE RECEIVED 09/28/92
PRESERVED: NO TEMPERATURE: 19.6 DEG. C
CONT. INTEGRITY: IMPROPER CONTAINER SAMPLE INTEG: MEETS STANDARD

TEST NAME	RESULT	UNITS	ANALYZED	METHOD	LINK
TOLUENE	170	PPM	09/29/92	IN-HOUSE METHOD	
XYLENES	5.1	PPM	09/29/92	IN-HOUSE METHOD	
METHYL ETHYL KETONE	50	PPM	09/29/92	IN-HOUSE METHOD	
METHYL ISOBUTYL KETONE	1100	PPM	09/29/92	IN-HOUSE METHOD	
CYCLOHEXANONE	<1.0	# PPM	09/29/92	IN-HOUSE METHOD	
BUTYL ACETATE	6.2	PPM	09/29/92	IN-HOUSE METHOD	
TPH AS MINERAL SPIRITS	<500	# PPM	09/29/92	IN-HOUSE METHOD	
TPH AS VMP NAPTHA	<500	# PPM	09/29/92	IN-HOUSE METHOD	

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT; SOIL SAMPLES WILL BE DISPOSED OF 6 WEEKS AFTER RECEIPT; WASTE SAMPLES (NON-WATER, NON-SOIL) WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE, N/D = NOT DETECTED.

@ = ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION. \$ = ELEVATED DETECTION LIMIT DUE TO SAMPLE QUANTITY. + = ELEVATED DETECTION LIMIT DUE TO EXTRACT VOLUME.

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**ENVIRONMENTAL
LABORATORIES INC.**

09/29/92

LABORATORY REPORT

PAGE 1

C796 8477791 W04

CHEM-SOL
ONE SAVILLE AVE.
EDDYSTONE, PA 19022
ATTN: RAY CHAIN

SAMPLE 92272-C12731 STANDING WATER/DUP
DATE COLLECTED 09/28/92 DATE RECEIVED 09/28/92
PRESERVED: NO TEMPERATURE: 19.8 DEG. C
CONT. INTEGRITY: IMPROPER CONTAINER SAMPLE INTEG: MEETS STANDARD

TEST NAME	RESULT	UNITS	ANALYZED	METHOD	LIMIT
TOLUENE	89	PPM	09/29/92	IN-HOUSE METHOD	
XYLENES	13	PPM	09/29/92	IN-HOUSE METHOD	
METHYL ETHYL KETONE	55	PPM	09/29/92	IN-HOUSE METHOD	
METHYL ISOBUTYL KETONE	1100	PPM	09/29/92	IN-HOUSE METHOD	
CYCLOHEXANONE	<1.0	# PPM	09/29/92	IN-HOUSE METHOD	
BUTYL ACETATE	6.1	PPM	09/29/92	IN-HOUSE METHOD	
PH AS MINERAL SPIRITS	<500	# PPM	09/29/92	IN-HOUSE METHOD	
PH AS VMP NAPHTHA	<500	# PPM	09/29/92	IN-HOUSE METHOD	

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT; SOIL SAMPLES WILL BE DISPOSED OF 6 WEEKS AFTER RECEIPT; WASTE SAMPLES (NON-WATER, NON-SOIL) WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE, N/D = NOT DETECTED.

ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.
ELEVATED DETECTION LIMIT DUE TO SAMPLE QUANTITY. + = ELEVATED DETECTION LIMIT DUE TO EXTRACT VOLUME.

ATMA ACCREDITED

APPROVAL _____